

[manuals.plus](#) /› [Leica](#) /› [Leica M \(Typ 240\) Digital Rangefinder Camera Model 10770 User Manual](#)

## Leica 10770

# Leica M (Typ 240) Digital Rangefinder Camera Model 10770 User Manual

Comprehensive instructions for setup, operation, and maintenance.

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Leica M (Typ 240) Digital Rangefinder Camera, model 10770. The Leica M is engineered for superior image quality, precise focusing, and robust performance, featuring a 24-megapixel CMOS sensor and the Leica Maestro image processor.

Key features include:

- High-resolution 24-megapixel CMOS sensor for exceptional detail.
- Fast Leica Maestro image processor for rapid image handling.
- Live View with 10x magnification and Focus Peaking for precise focusing.
- Splash-proof camera body for enhanced durability.
- 3-inch TFT LCD screen with 920,000 pixels and Corning Gorilla glass protection.
- Full 1080p HD video recording capabilities.

## 2. SETUP

### 2.1 Unpacking and Checking Contents

Carefully unpack your camera and verify that all components are present. The standard package for model 10770 includes the camera body only. Inspect the camera for any signs of damage before proceeding.

### 2.2 Battery Installation

The Leica M (Typ 240) uses one Lithium Metal battery (included). To install the battery:

1. Locate the battery compartment cover, typically on the bottom of the camera.
2. Open the cover by turning the locking mechanism.
3. Insert the battery according to the polarity indicators inside the compartment.
4. Close the battery compartment cover securely.



Front view of the Leica M (Typ 240) Digital Rangefinder Camera, showing the lens mount and body design. This image illustrates the camera's exterior, which houses the battery compartment and other controls.

## 2.3 Memory Card Insertion

Insert a compatible SD card into the memory card slot. Ensure the card is inserted in the correct orientation until it clicks into place. Refer to the camera's display for confirmation of card recognition.

## 2.4 Lens Attachment

The Leica M (Typ 240) uses the Leica M mount. To attach a lens:

1. Remove the body cap from the camera and the rear cap from the lens.
2. Align the red dot on the lens with the red dot on the camera's lens mount.
3. Gently insert the lens into the mount and turn it clockwise until it locks into place.

## 2.5 Initial Power On and Basic Settings

After installing the battery and memory card, turn on the camera using the power switch. The first time you power on, you

may be prompted to set the date, time, and language. Follow the on-screen instructions to configure these basic settings.

## 3. OPERATING THE CAMERA

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### 3.1 Controls Overview

The Leica M (Typ 240) features a classic rangefinder design with intuitive controls. Familiarize yourself with the shutter speed dial, aperture ring (on the lens), focus ring (on the lens), and the various buttons and dials on the camera body for menu navigation and function selection.

### 3.2 Focusing

The camera offers multiple focusing methods:

- **Rangefinder System:** The classic method for precise manual focusing. Align the split or superimposed images in the viewfinder.
- **Live View Zoom:** When using Live View on the LCD screen, you can magnify the image up to 10x for critical focus assessment.
- **Live View Focus Peaking:** This feature automatically highlights sharp contours in red on the Live View display, providing visual confirmation of focus.

### 3.3 Exposure Settings

The Leica M (Typ 240) provides comprehensive control over exposure. You can manually set aperture (via the lens), shutter speed (via the top dial), and ISO sensitivity. The camera also offers various metering modes, including Center Weighted, to assist in achieving correct exposure.

### 3.4 Shooting Still Images

To capture a still image:

1. Compose your shot using the viewfinder or Live View.
2. Adjust focus using one of the methods described above.
3. Set your desired exposure parameters (aperture, shutter speed, ISO).
4. Press the shutter button halfway to activate the meter, then fully to capture the image.

### 3.5 Recording Videos

The Leica M (Typ 240) supports 1080p full-HD video recording. To record a video:

1. Switch the camera to video mode (if applicable, refer to the camera's menu).
2. Compose your shot and adjust focus.
3. Press the dedicated video recording button or the shutter button (depending on configuration) to start and stop recording.

### 3.6 Image Playback

To review captured images and videos:

1. Press the Playback button.
2. Use the navigation controls to scroll through your media.
3. The 3-inch TFT LCD screen provides a clear display for reviewing your shots.

## 4. MAINTENANCE

## 4.1 Cleaning the Camera

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture.
- **Lens:** Use a lens brush or air blower to remove dust, then gently clean with a microfiber lens cloth and a specialized lens cleaning solution if necessary.
- **Sensor:** Sensor cleaning should be performed with extreme care. If dust spots appear on images, it is recommended to have the sensor professionally cleaned by an authorized service center.
- **LCD Screen:** Use a soft, lint-free cloth. Avoid harsh chemicals.

## 4.2 Storage

When not in use, store the camera in a cool, dry place away from direct sunlight, high humidity, and extreme temperatures. Use a desiccant pack if storing in humid environments. Remove the battery if the camera will not be used for an extended period.

## 4.3 Battery Care

Charge the battery fully before first use. For optimal battery life, avoid completely discharging the battery regularly. Store batteries in a cool, dry place. If storing for extended periods, charge them to approximately 50% capacity.

# 5. TROUBLESHOOTING

## 5.1 Camera Does Not Power On

- Ensure the battery is correctly inserted and fully charged.
- Check that the battery contacts are clean.
- Try a different charged battery if available.

## 5.2 Images Are Out of Focus

- Verify that the lens is correctly attached and the focus ring is being adjusted properly.
- Ensure you are using the rangefinder or Live View focusing aids correctly.
- Check the diopter adjustment on the viewfinder if images appear blurry through it.

## 5.3 Image Quality Issues (e.g., Noise, Color Cast)

- **Noise:** High ISO settings can introduce noise. Try lowering the ISO or using a brighter aperture/slower shutter speed.
- **Color Cast:** Check the white balance settings. Adjust to match the lighting conditions. Firmware updates may also address color rendition issues.
- **Dust Spots:** If dark spots appear on images, especially at smaller apertures, the sensor may require cleaning.

## 5.4 Memory Card Errors

- Ensure the memory card is fully inserted.
- Try formatting the card in the camera (*note: this will erase all data*).
- Test with a different, compatible memory card.

# 6. SPECIFICATIONS

Feature	Detail
Brand	Leica
Model Number	10770
Product Dimensions	5.47 x 1.65 x 3.15 inches
Item Weight	1.29 pounds
Batteries	1 Lithium Metal battery (included)
Compatible Mountings	Leica M
Photo Sensor Technology	CMOS
Supported File Format	JPEG, RAW
Image Stabilization	Digital
Optical Zoom	1x
Maximum Aperture	3.5 Millimeters <i>(Note: This refers to the camera body's internal specification, actual lens aperture varies.)</i>
Expanded ISO Minimum	100
Metering Description	Center Weighted
Date First Available	February 2, 2010

## 7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Leica website. Keep your proof of purchase for warranty claims.

For further assistance, technical support, or service, please contact Leica customer service or visit an authorized Leica service center. You can find more information and resources on the [Leica Store on Amazon](#).